

□ Cat # RP-998

Recombinant Human Fatty Acid Binding Protein-1

Size: □ 5 ug

FABP1 (Fatty acid binding protein1) encodes the fatty acid binding protein found in liver. FABP1 is composed of ten antiparallel β strands that form a barrel with a bigger binding pocket than the other FABPs allowing it to accommodate two fatty acid. This protein binds free fatty acids and their coenzyme A derivatives, bilirubin, and some other small molecules in the cytoplasm; it may be involved in intracellular lipid transport and metabolism.

SOURCE:

FABP1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 147 amino acids and having a molecular mass of 16 kDa. The protein is fused to His-Tag at N-terminus. The protein solution contains 20mM Tris-HCl pH-8.

APPLICATION AND SUGGESTED DILUTIONS:

Greater than 95.0% as determined by(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE. Users must optimize the appropriate concentration and conditions for each assay.

STORAGE & STABILITY:

FABP-1 although stable 4°C for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). If supplied in powder then reconstitute it in 100ul water for 1mg/mL stock and store in liquid at 4oC for ~ 1week or aliquots in suitable size and store at -20oC for long term storage.

USAGE:

This item is for LABORATORY RESEARCH USE ONLY.

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